Shasta County - Redding GW Basin	
Maximum Increase GWE (ft)	4.9
Maximum Decrease GWE (ft)	-4.7
Average Change GWE (ft)	-0.3
Average Well Depth (ft)	353
Number of Wells Monitored	8

Tehama County - Redding GW Basin	
Maximum Increase GWE (ft)	0.3
Maximum Decrease GWE (ft)	-0.9
Average Change GWE (ft)	-0.2
Average Well Depth (ft)	458
Number of Wells Monitored	5

Tehama County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	4.4
Maximum Decrease GWE (ft)	-18.2
Average Change GWE (ft)	-1.2
Average Well Depth (ft)	423
Number of Wells Monitored	28

Glenn County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	9.3
Maximum Decrease GWE (ft)	-17.6
Average Change GWE (ft)	-1.5
Average Well Depth (ft)	441
Number of Wells Monitored	31

Colusa County - Sacramento Valley GW Basin	
Maximum Increase GWL(ft)	0.5
Maximum Decrease GWE (ft)	-11.5
Average Change GWE (ft)	-2.6
Average Well Depth (ft)	407
Number of Wells Monitored	22

Butte County - Sacramento Valley GW Basin	
Maximum Increase GWE (ft)	7.6
Maximum Decrease GWE (ft)	-11.8
Average Change GWE (ft)	-2.1
Average Well Depth (ft)	480
Number of Wells Monitored	20

- Monitoring Well
- County Boundaries
- Redding GW Basin
- Sacramento Valley GW Basin

N

0 1 2 4 6
Miles

Change in Groundwater Elevation

- Greater than 8 feet higher
- > 6 to 8 feet higher
- > 4 to 6 feet higher
- > 2 to 4 feet higher
- 0 to 2 feet higher
- > 0 to 2 feet lower
- > 2 to 4 feet lower
- > 4 to 6 feet lower
- > 6 to 8 feet lower
- Greater than 8 feet lower

Summary Results for Fall 2012 to Fall 2013 Change in Groundwater Elevation	
Maximum Increase GWE (ft)	9.3
Maximum Decrease GWE (ft)	-18.2
Average Change GWE (ft)	-1.6
Average Well Depth (ft)	431
Number of Wells Monitored	114

NOTES

Note 1: A positive number indicates that groundwater elevations were higher in the current year than in the previous year. A negative number indicates that groundwater elevations were lower in the current year than in the previous year.

Note 2: Statistical analysis is based on the number of wells monitored within each county. Summary results are based on the total number of wells monitored, not averages of the statistical analysis of individual counties.

Note 3: This map may not use all the color ranges shown in table above. Some wells may not be visible on map due to the close proximity to each other.

Note 4: Groundwater level changes are based on groundwater level measurements taken from wells constructed in the intermediate aquifer zone at similar dates of different years. These wells include those that have screened intervals and well depths that are generally greater than 200 ft and less than 600 ft.

Note 5: Change in groundwater elevations are based on the actual measured levels of the hydrostatic level (piezometric surface) of the groundwater at individual well locations.Contoured color ramping and change in groundwater elevation estimates between monitoring wells is a computer generated calculation using the availability and proximity of surrounding monitoring well measurements. As such, the calculated change in groundwater elevation between individual monitoring wells should be considered approximate. The accuracy of the estimated contour is directly related to the spacing and the distribution of nearby monitoring wells, the similarity of nearby monitoring well construction, and the local changes or similarities in aquifer characteristics.

Note 6: GWE - Groundwater Elevation
bgs - below ground surface

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NORTHERN SACRAMENTO VALLEY CHANGE IN GROUNDWATER ELEVATION MAP FALL 2012 TO FALL 2013

INTERMEDIATE AQUIFER ZONE

(Well depths generally greater than 200 ft and less than 600 ft deep bgs)

PLATE 3I-A

Date: December 2013

BY: G. Gordon

Path: Z:\GW_GIS\Projects\NRO_ChangeMaps\2013\Fall_2013\F13_IntermediateInterimediateFall2012to2013.mxd

http://www.water.ca.gov/groundwater/data_and_monitoring/northern_region/GroundwaterLevel/gw_level_monitoring.cfm